Plant Cycle Cards

Germinating Seed Seed Food stored in seed is used for energy.	Respiration	Using Oxygen to (burn) release energy from food Food + Oxygen > Water + CO ₂ Energy is released to use
Germinating Seed Seed Embryo grows into new plant.	Germination	The first growth (sprouting) of a seed
solar energy	Photosynthesis	Storing light energy in food Light Energy Water + CO ₂ > Food + Oxygen Chlorophyll
Mature sporophyte plant with flowers	Flower Production	Forming reproductive parts that contain egg cells and/or sperm cells
	Pollination	Transferring the male pollen to the female reproductive stigma

Pollen tube Ovary (base of carpel) Ovule Embryo sac (female gametophyte) Egg Sperm	Fertilization	The combination of an egg and a sperm cell for sexual reproduction
Zygote Embryo (sporophyte)	Zygote and Embryo	Mitosis (cell division) of the zygote (fertilized egg) forms the tiny new plant.
Seed Simple fruit (develops from ovary) Seed (develops from ovary)	Seed Production	A dormant embryo with food supply and protective covering is formed.
Seed Seed (develops from ovary)	Fruit Production	A protective structure is formed around the seed(s) that protects and helps disperse it
	Seed Dispersal	The fruit provides a way of spreading seeds away from the parent plant. This may be popping out, wind, water, hitchhiking on animals, in animal wastes or as animal food leftovers.